

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An electromagnetic switch comprising a guiding medium and switch means for controlling propagation within the guiding medium, characterised in that the guiding medium comprises a substantially parallel plate structure, and the switch means comprises an array of electromechanical switch elements positioned to allow selective reflection and absorption of an electromagnetic signal in controlled directions.
2. (Original) An electromagnetic switch according to claim 1 in which the guiding medium is a planar guiding medium.
3. (Currently amended) An electromagnetic switch according to claim 1 ~~or claim 2~~ in which the guiding medium is a waveguide.
4. (Currently amended) An electromagnetic switch according to claim 1 ~~or claim 2~~ in which the guiding medium is made of a semi-conductor material.
5. (Currently amended) An electromagnetic switch according to ~~any one of the preceding claims~~ claim 1 in which the electromechanical switch elements are activated by displacement of elements of desired conductivity, with the displacement being electrostatic displacement, electric field displacement, magnetic field displacement, or thermal

displacement.

6. (Currently amended) An electromagnetic switch according to ~~any one of the preceding claims~~ claim 1 in which the elements are in the form of polymers, powders or liquid suspensions.

7. (Currently amended) An electromagnetic switch according to ~~any one of the preceding claims~~ claim 1 in which the parallel plate structure is a microwave parallel plate structure; and including at least one element of controllable reflectivity that may be used to affect the spatial distribution of the electromagnetic energy by absorption of energy.

8. (Currently amended) An electromagnetic switch according to ~~any one of the preceding claims~~ claim 1 in which the electromechanical switch elements are controllable through associated logic devices.

9. (Currently amended) A miniaturised active electromagnetic antenna including at least one electromagnetic switch according to ~~any one of the preceding claims~~ claim 1.

10. (Currently amended) An active electromagnetic delay line including at least one electromagnetic switch according to ~~any one of claims 1-8~~ claim 1.